

Amendment to the Abstract:

Kindly amend the paragraph beginning at page 46, lines 8 and 9.

ABSTRACT OF THE DISCLOSURE

In the method of detecting a localized sun gear fault, in the operation of an epicyclic gear train having ring, planet and sun gears, and a planet carrier, the steps that include detecting sun gear vibrations transmitted through each planet gear, computing separated averages of such detected vibrations, phase shifting said the averages to account for the differences in gear meshing positions, and re-combining said the phase shifted averages to produce a modified average value of the sun gear vibration.